BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK : IMPROVEMENTS ROADS AND DRAINS AT BALAJI LAYOUT IN KENCHENAHALLI IN WARD NO.02 OF YELAHANKA SUB-DIVISION

Estimate Cost Rs. 50.00 Lakhs

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
1	KSRB 2-2.1 Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No. KBS 2.1(a) / 2.3.5. No.5/Item No. 2.3)								
	Balaji Layout	Cum							
	Cross Roads		1	590.00	1.10	1.10	713.90		
							713.90	200.34	**143022.73**
	Basic Rate	189.00							
	Area Weightage @ 6%	11.34							
	Total	200.34							
2	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1)								
		Cum							
				Qty Vide Item No.1			**713.90**	100.00	**71390.00**
	Average Weight of Earth 1.28 Tonne/Km								
	Basic Rate Lead Charges for 10.00 Kms (2.50X1.28X10.00)	32.00							
	Add loading and unloading Item No 17.1)	68.00							
	Total	**100.00**							
3	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.3)								
	Balaji Layout	Cum							
	Cross Roads		1	590.00	1.10	0.15	97.35		
							97.35	5159.02	**502230.60**
	Basic Rate	4867.00							
	Area Weightage @ 6%	292.02							
	Total	**5159.02**							

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC cement at 300kgs. with 20mm and down size granite metal coarse aggregates at 0.69cum and fine aggregates at 0.43cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No.1500, 1700, 2200, -do- Wall and bottom thickness 15cm (P.No.265 / It.No.37.59)								
	Cum							
bed		1	590.00	1.10	0.15	97.35		
Side wall		2	590.00	0.15	0.60	106.20		
						203.55	11032.48	2245661.30
Basic Rate	10408.00							
Area Weightage @ 6%	624.48							
Total	11032.48							
KSRB 4.9.2: Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **-do- TMT Bars Fe 500** P.17/It.No.4.46.2								
	tonne							
	60% of Qty Vide Item no.4				in Qtl	1822.13		
					in tonne	12.2130	74915.50	914943.00
Basic Rate	70675.00							
Area Weightage @ 6%	4240.50							
Total	74915.50							
Providing and fixing **RCC precast Slabs of 0.10 m thick of CC 1:2:4 with 20 mm** and down size graded granite metal , machine mixed , including cost of all material , labour , HOM of Machinery , curing complete								
Balaji Layout	Sqm							
Cross Roads		1	590.00	0.90		531.00		
						531.00	2100.00	1115100.00
Data Rate	2100.00							
Miscellaneous and unforeseen charges								7652.00
							Grand Total Amount	5000000.00

(Rupees Fifty Lakhs Only)

ADMINISTRATIVELY SANCTIONED FOR Rs. 50,00,000/-
Rupees Fifty lakhs only
Under 30.6.00-002-18-0000000
Registered as EE ( )
Subject to conditions contained in enclosed memo EE ( ) No. JC(4)/ITA/TS/58/17-18
Estimate A... No...
dated 27-12-2017 Rs. 50,00,000/-

Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92

CERTIFICATE

The site has been inspected and the work is found to be necessary.
The rates adopted are as per PW,P IWTD SR of 2016-17 and data rate of Bangalore Circle.
The provisions were made in this estimate are necessary and adequate.
The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.

Assistant Engineer
Ward No.02

Executive Engineer
Yelahanka Division
B.B.M.P

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

Technical Sanction
Accorded for Rs. 50.00 Lakh Rs
Head of A/C P3332
CER NO 440 Dt. 27/12/17

TA EE (YNK)

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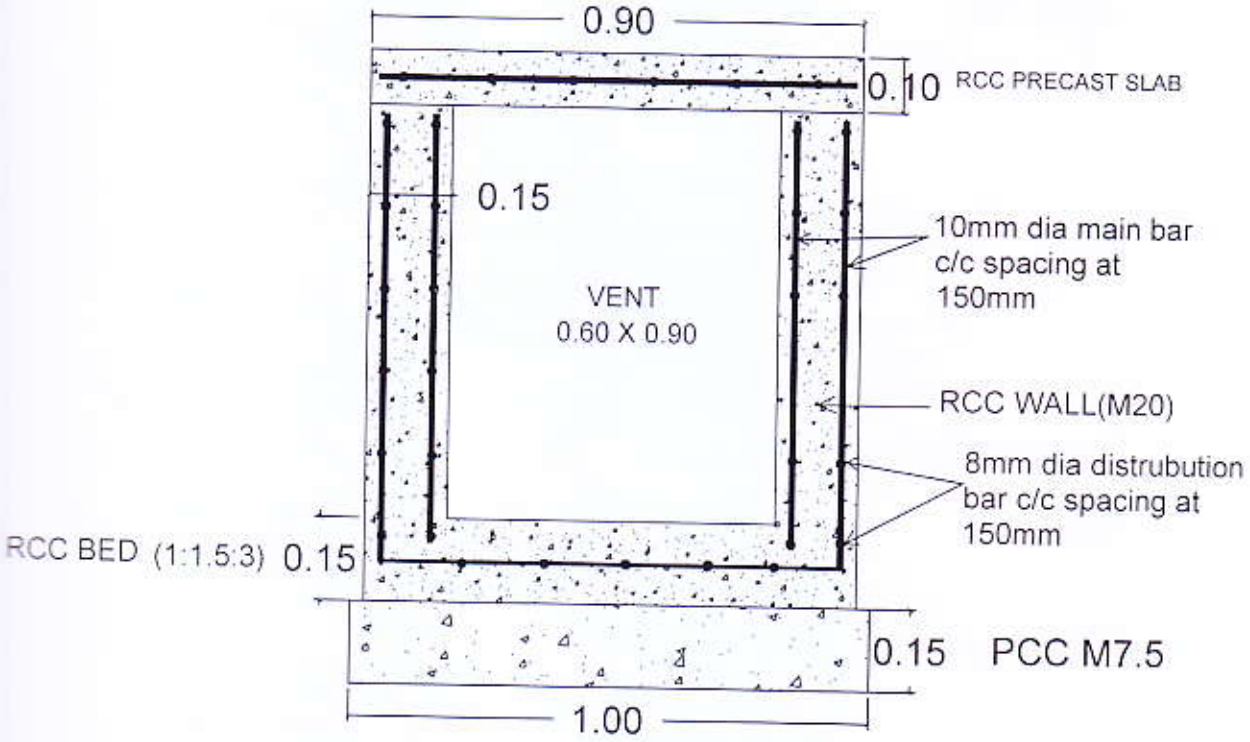

CROSS SECTION OF RCC DRAIN

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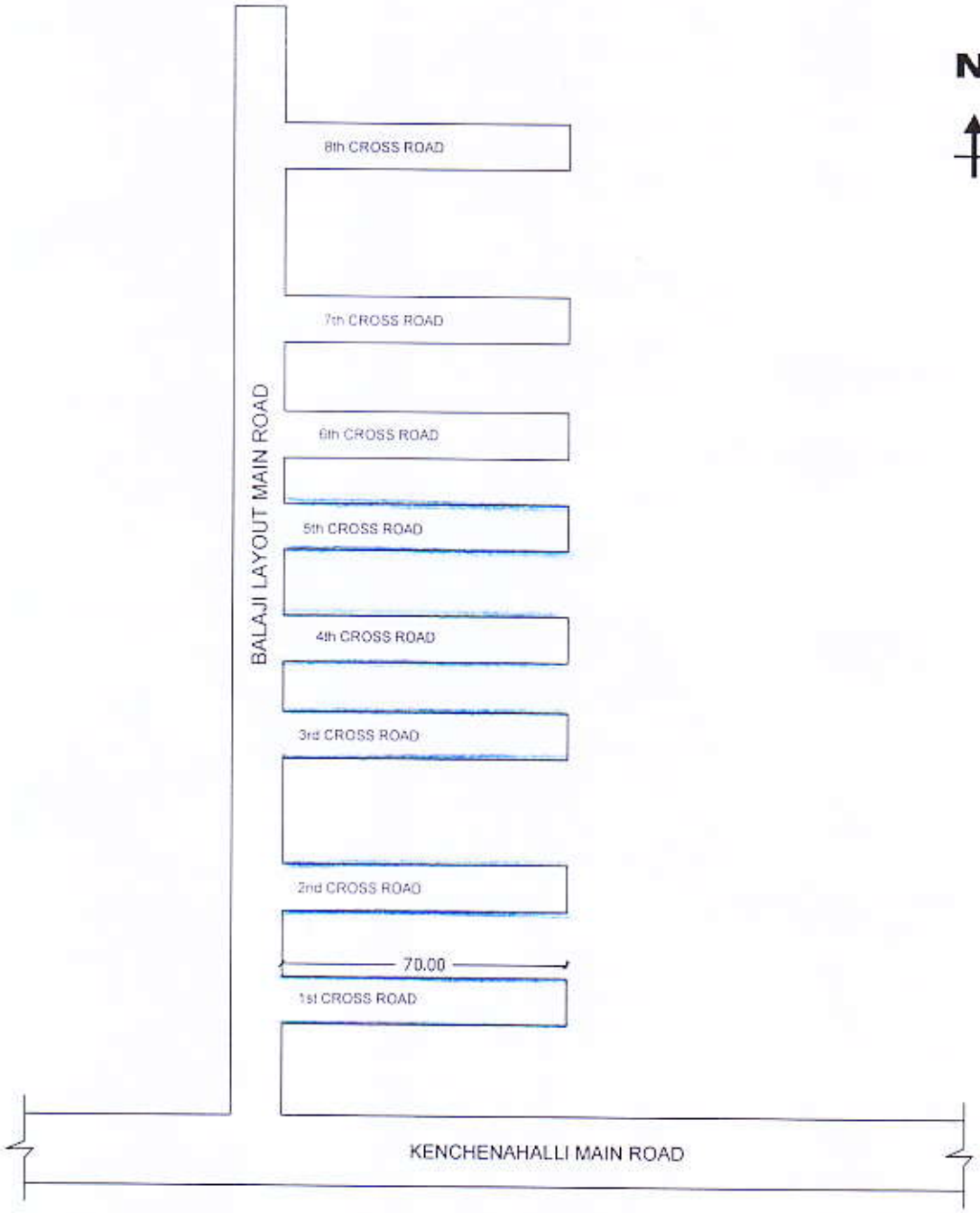
KEY : NOT TO SCALE



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– RCC DRAIN

Assistant Engineer
Ward No.02
B.B.M.P

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P